

**ANALOG-TO-DIGITAL CONVERTER WITH CORRECTION OF OFFSET
ERRORS**

ABSTRACT

5 An analog-to-digital converter (200) includes at least one stage (105)
for converting an analog input signal into a digital output signal using a
parallel quantizer (115) comparing the analog input signal with a plurality of
threshold values in parallel. The analog-to-digital converter includes, for at
least one selected stage (105), an estimating circuit (210,220) for estimating
10 an analog correction signal indicative of the mean value of a quantization
error of the selected stage, and a compensating circuit (440i) for at least
partially compensating an offset error of the parallel quantizer (105) in the
selected stage according to the analog correction signal. A method and
computing system are also provided.